

Title (en)

Magnetic carrier for biological substance, production method thereof and isolation method of biological substance using the same

Title (de)

Magnetischer Träger für biologische Substanzen, Verfahren zur seiner Produktion und seiner Verwendung zur Isolierung dieser biologischen Substanzen

Title (fr)

Supports magnétiques pour substances biologiques, leur production et leur utilisation pour isoler ces substances

Publication

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Application

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Abstract (en)

[origin: EP1376129A2] The present invention mainly provides a magnetic carrier for biological substance, which shows improved dispersibility in aqueous solutions and is superior in the collectability by the magnetic field, reversible binding ability with a biological substance, elution property of the bound biological substance, and isolation and purification efficiency of biological substance, as compared to conventional magnetic carriers. The magnetic carrier of the present invention includes a magnetic carrier having a saturation magnetization of 10-80 A.m²/kg and a coercive force of 0.80-15.92 kA/m, a magnetic carrier wherein a ferromagnetic iron oxide particle is coated with a compound comprising silicon and aluminum, and the like.

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- EP 1335003 A2 20030813 - TOYO BOSEKI [JP], et al
- EP 0531990 A1 19930317 - CANON KK [JP]
- EP 0541113 A1 19930512 - CANON KK [JP]
- EP 0450092 A1 19911009 - MEITO SANGYO KK [JP]

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